ELSEVIER

Journal of Organometallic Chemistry 543 (1997) 271

Journal of Organometallic Chemistry

Author Index of Volume 543

Ajulu, F.A., 245
Almansour, A.I., 83

Baumeister, U., 117
Beck, W., 39, 47
Beckmann, J., 229
Beer, P.D., 259
Berke, H., 171
Blake, A.J., 217
Bochmann, M., 209
Brauer, D., 103

Calderazzo, F., 201
Calhorda, M.J., 93
Canovese, L., 145
Caro, B., 87
Cheng, J., 227
Clark, A.M., 111
Contel, M., 71
Crociani, B., 145
Cuenca, T., 209
Cui, X.L., 63

Dash, A.K., 135
Drew, M.G.B., 259

Englert, U., 201

Fu, H., 227
Furukawa, N., 77

Galakhov, M., 209
Garrido, J., 71
Gauss, C., 171
Ghose, S., 189
Gibbons, M.N., 217
Gielen, R., 103
Gupta, B.D., 125

Hassler, K., 103, 117
Heck, J., 153
Herrmann, R., 93
Holle, S., 255
Holloway, C.E., 1
Hor, T.S.A., 179
Horn, E., 77
Hossain, Md.M., 135, 189
Hou, J., 227
Huang, X., 165
Hüffer, S., 47
Hussain, Z.I., 237

James, S.L., 233
Jänicke, M., 171
Jiang, C., 179
Jiménez, G., 209
Jiménez, J., 71
Jolly, P.W., 255
Jones, P.G., 71
Jurkschat, K., 229

Katsukawa, Y., 241
Katzenbeisser, U., 103
Kiang, F.-M., 249
Kirin, V.P., 57
Kölle, U., 201
Kollegger, G.M., 103
Koller, A., 171
Körnich, J., 153
Krüger, C., 103
Ku, R.-Z., 249
Kuhnigk, J., 255

Laguna, A., 71
Laguna, M., 71
Leadbeater, N.E., 251
Lewis, J., 233, 251
Liable-Sands, L.M., 135
Liu, C.-Y., 249
Liu, L.-K., 179
Liu, S.-T., 249
Liu, Y.H., 63
Lopes, P.E.M., 93
Lu, S., 227

Mahon, M.F., 189
Maksakov, V.A., 57
Mao, X.A., 63
Mathey, F., 245
Mathur, P., 135, 189
McInnes, E.J.L., 237
Melnik, M., 1
Milke, J., 39
Muto, H., 241

Nixon, J.F., 245

Onaka, S., 241

Pampaloni, G., 201
Podberezskaya, N.V., 57
Polborn, K., 47
Prat, V., 87

Qanungo, K., 125

Raithby, P.R., 233, 251
Rheingold, A.L., 135
Rickard, C.E.F., 111
Robin-Le Guen, F., 87
Roper, W.R., 111
Royo, E., 209
Royo, P., 209

Sato, S., 77
Satyanarayana, C.V.V., 135, 189
Schenzel, K., 117
Schier, A., 93
Schollmeyer, D., 229
Schürmann, M., 229
Semyannikov, P.P., 57
Sénéchal-Tocquer, M.-C., 87
Smith, D.K., 259
Sowerby, D.B., 217
Sünkel, K., 39

Takagi, S., 241
Tripepi, G., 201

Ueminami, T., 77
Uguagliati, P., 145

Vaissermann, J., 87
Virovets, A.V., 57
Visentin, F., 145

Wang, H., 227
Wen, Y.-S., 179
Whiteley, M.W., 237
Wright, L.J., 111
Wu, Y.J., 63

Yan, Y.K., 179
Yang, D.Y., 165
Yap, G.P.A., 135
Younus, M., 233
Yuan, H.Z., 63

Zhou, H., 227
Zink, R., 117

Elsevier Science S.A.

ELSEVIER

Journal of Organometallic Chemistry 543 (1997) 273–276

Journal of Organometallic Chemistry

Subject Index of Volume 543

Acetate
The preparation and reactions of $(\eta^3\text{-allyl})_2Ru[Pr^i_2P(CH_2)_nPPr^i_2]$ complexes (S. Holle, P.W. Jolly and J. Kuhnigk), 255
Acetylenic $Co_2(CO)_6$ fragment
Synthesis, structure and reactivity of acetylenic $Co_2(CO)_6$ pyrylium salts. Electronic influence of the $Co_2(CO)_6$ acetylenic fragment (B. Caro, F. Robin-Le Guen, M.-C. Sénéchal-Tocquer, V. Prat and J. Vaissermann), 87
(Alkylseleno)haloethenes
Stereoselective synthesis of conjugated alkadienes via the palladium-catalyzed coupling reaction of (*Z*)- or (*E*)-alkenylboranes with (*Z*)- or (*E*)-2-halo-1-(alkylseleno)ethenes (D.Y. Yang and X. Huang), 165
Alkenylboranes
Stereoselective synthesis of conjugated alkadienes via the palladium-catalyzed coupling reaction of (*Z*)- or (*E*)-alkenylboranes with (*Z*)- or (*E*)-2-halo-1-(alkylseleno)ethenes (D.Y. Yang and X. Huang), 165
Alkynyl bridge
Synthesis and properties of the alkynyl-bridged heterobimetallics $[Mo(C{\equiv}CFc)(Ph_2PCH_2CH_2PPh_2)(\eta\text{-}C_7H_7)]^z$ (Fc = ferrocenyl, $z = 0$ or $+1$) (Z.I. Hussain, M.W. Whiteley and E.J.L. McInnes), 237
Alkynyl complexes
Kohlenwasserstoffverbrückte Metallkomplexe, XXXV. Addition von *tert*. Butylethinyl–pentacarbonyl–wolframat an π-koordinierte Kohlenwasserstoffe von kationischen Komplexen (J. Milke, K. Sünkel and W. Beck), 39
Asymmetric
Asymmetric hydroesterification of styrene by $PdCl_2$–$CuCl_2$-chiral phosphine catalyst systems (H. Zhou, J. Hou, J. Cheng, S. Lu, H. Fu and H. Wang), 227

Bis(cyclopentadienyl)-bridged complexes
Kooperative Wirkung in π-Ligand-verbrückten Zweikernkomplexen XX. Eine neue Strategie zur Synthese von heterodinuklearen Komplexen mit einem verbrückenden Bis(cyclopentadienyl)-Liganden [2] (J. Heck und J. Körnich), 153
Book Review
Advances in Physical Organic Chemistry, D. Bethell (Ed.) (C. Eaborn), 263
Advances in transition metal coordination chemistry, Chi-Ming Che and Vivian W.W. Yam (M.R. Lappert), 264
Applied homogeneous catalysis with organometallic compounds, B. Cornils andW.A. Herrmann (Eds.) (M.F. Tappert), 264
Gmelin Handbook of Inorganic and Organometallic Chemistry. Sn. Organotin Compounds. Part 24. Dinuclear Compounds, Springer-Verlag, Berlin (P.A. Chaloner), 263
Palladium Reagents and Catalysis; Innovations in Organic Synthesis, Jiro Tsuji, John Wiley and Sons (Eds.) (P.A. Chaloner), 268
Perspectives on Bioinorganic Chemistry, R.W. Hay, J.R. Dilworth, and K.B. Nolan (Eds.) (G.J. Leigh), 265
Synthetic Methods of Organometallic and Inorganic Chemistry, F.T. Edelmann (Ed.) (J.D. Smith), 267
The Molecular Chemistry of the Transition Elements, F. Mathey and A. Sevin (Eds.) (G.J. Leigh), 265
Topics in Current Chemistry Volume 179 Organolanthanoid Chemistry: Synthesis, Structure, Catalysis. Springer, Berlin (G.A. Lawless), 266

Carbonyl
Kohlenwasserstoffverbrückte Metallkomplexe, XXXVI. Nucleophile Addition von Carbonylmetallaten an koordinierte Ethen-, Benzol-, Cyclooctadienyl- und Cyclooctatrienyl-Liganden von kationischen Ruthenium-Komplexen (S. Hüffer, K. Polborn and W. Beck), 47
Synthesis and spectroscopic characterization of $(CO)_6Fe_2\{\mu\text{-}EC(H){=}C(2\text{-}Th)E'\}$ (E,E' = S, Se, Te; Th = C_4H_3S). Structural characterization of $(CO)_6Fe_2\{\mu\text{-}SeC(H){=}C(2\text{-}Th)Se\}$ (P. Mathur, A.K. Dash, Md.M. Hossain, C.V.V. Satyanarayana, A.L. Rheingold, G.P.A. Yap and L.M. Liable-Sands), 135
Carbonyl-hydroxo-alkoxo-complex
Amine-oxide-mediated reactions of $Re_2(CO)_{10}$ with phenol and aliphatic alcohols: The formation of $Re_3(CO)_{14}(\mu\text{-H})$ and a hydroxo-methoxo trirhenium aggregate $[Me_3NH]^+[Re_3(CO)_9(\mu\text{-}OH)_2(\mu\text{-OMe})(\mu_3\text{-OMe})]^-$ (C. Jiang, Y.-S. Wen, L.-K. Liu, T.S.A. Hor and Y.K. Yan), 179
Catalysis
Stereoselective synthesis of conjugated alkadienes via the palladium-catalyzed coupling reaction of (*Z*)- or (*E*)-alkenylboranes with (*Z*)- or (*E*)-2-halo-1-(alkylseleno)ethenes (D.Y. Yang and X. Huang), 165
Cationic dinuclear derivatives
Dinuclear cationic zirconium complexes with the fulvalene ligand. Synthesis and reactivity (T. Cuenca, M. Galakhov, G. Jiménez, E. Royo, P. Royo and M. Bochmann), 209
Clusters
Thermolysis of $Fe_3(CO)_9(\mu_3\text{-Se})(\mu_3\text{-E})$ (E = S, Te) with $Cp_2Mo_2(CO)_6$ and formation of new mixed-chalcogenide, mixed Fe–Mo carbonyl clusters. Crystal structures of $Cp_2Mo_2Fe_2(CO)_6(\mu_3\text{-Se})_2(\mu_4\text{-Te})$, $Cp_2Mo_2Fe_2(CO)_7(\mu_3\text{-Se})(\mu_3\text{-Te})$ and $Cp_2Mo_2Fe_2(CO)_6(\mu_3\text{-S})(\mu_3\text{-Se})(\mu_4\text{-Se})$ (P. Mathur, S. Ghose, Md.M. Hossain, C.V.V. Satyanarayana and M.F. Mahon), 189
Cobalt cluster
The unexpected synthesis of a tricobalt cluster with ferrocenyl groups: crystal structure and cyclic voltammetry of $Co_3(CO)_7(\mu_3\text{-PFc})(\mu_2\text{-}PFc_2)$ (Fc = $(C_5H_5)Fe(C_5H_4)$) (S. Onaka, H. Muto, Y. Katsukawa and S. Takagi), 241
Coupling
Stereoselective synthesis of conjugated alkadienes via the palladium-catalyzed coupling reaction of (*Z*)- or (*E*)-alkenylboranes with

Elsevier Science S.A.

(*Z*)- or (*E*)-2-halo-1-(alkylseleno)ethenes (D.Y. Yang and X. Huang), 165
Crystal structure
Cyclometallation of ferrocenylimines. III. Regioselectivity in Hg(II) cyclometallated complexes (Y.J. Wu, X.L. Cui, Y.H. Liu, H.Z. Yuan and X.A. Mao), 63
Isolation and X-ray structure determination of a new tellurane *Te*-oxide dimer [12-Te-6(C4O2)]$_2$ (λ^6-tellane) (S. Sato, T. Ueminami, E. Horn and N. Furukawa), 77
Cyclic voltammetry
The unexpected synthesis of a tricobalt cluster with ferrocenyl groups: crystal structure and cyclic voltammetry of $Co_3(CO)_7(\mu_3\text{-}PFc)(\mu_2\text{-}PFc_2)$ (Fc = $(C_5H_5)Fe(C_5H_4)$) (S. Onaka, H. Muto, Y. Katsukawa and S. Takagi), 241
Cycloheptatrienyl
Synthesis and properties of the alkynyl-bridged heterobimetallics $[Mo(C{\equiv}CFc)(Ph_2PCH_2CH_2PPh_2)(\eta\text{-}C_7H_7)]^z$ (Fc = ferrocenyl, $z = 0$ or $+1$) (Z.I. Hussain, M.W. Whiteley and E.J.L. McInnes), 237
Cyclopentadienyl derivatives
Dinuclear cationic zirconium complexes with the fulvalene ligand. Synthesis and reactivity (T. Cuenca, M. Galakhov, G. Jiménez, E. Royo, P. Royo and M. Bochmann), 209

Decarbonylation
Amine-oxide-mediated reactions of $Re_2(CO)_{10}$ with phenol and aliphatic alcohols: The formation of $Re_3(CO)_{14}(\mu\text{-}H)$ and a hydroxo-methoxo trirhenium aggregate $[Me_3NH]^+[Re_3(CO)_9(\mu\text{-}OH)_2(\mu\text{-}OMe)(\mu_3\text{-}OMe)]^-$ (C. Jiang, Y.-S. Wen, L.-K. Liu, T.S.A. Hor and Y.K. Yan), 179
Dienyl selenides
Stereoselective synthesis of conjugated alkadienes via the palladium-catalyzed coupling reaction of (*Z*)- or (*E*)-alkenylboranes with (*Z*)- or (*E*)-2-halo-1-(alkylseleno)ethenes (D.Y. Yang and X. Huang), 165
Dirhenium decacarbonyl
Amine-oxide-mediated reactions of $Re_2(CO)_{10}$ with phenol and aliphatic alcohols: The formation of $Re_3(CO)_{14}(\mu\text{-}H)$ and a hydroxo-methoxo trirhenium aggregate $[Me_3NH]^+[Re_3(CO)_9(\mu\text{-}OH)_2(\mu\text{-}OMe)(\mu_3\text{-}OMe)]^-$ (C. Jiang, Y.-S. Wen, L.-K. Liu, T.S.A. Hor and Y.K. Yan), 179

Electrochemistry
Synthesis and properties of the alkynyl-bridged heterobimetallics $[Mo(C{\equiv}CFc)(Ph_2PCH_2CH_2PPh_2)(\eta\text{-}C_7H_7)]^z$ (Fc = ferrocenyl, $z = 0$ or $+1$) (Z.I. Hussain, M.W. Whiteley and E.J.L. McInnes), 237
Esr spectroscopy
Synthesis and properties of the alkynyl-bridged heterobimetallics $[Mo(C{\equiv}CFc)(Ph_2PCH_2CH_2PPh_2)(\eta\text{-}C_7H_7)]^z$ (Fc = ferrocenyl, $z = 0$ or $+1$) (Z.I. Hussain, M.W. Whiteley and E.J.L. McInnes), 237

Ferrocene
Cyclometallation of ferrocenylimines. III. Regioselectivity in Hg(II) cyclometallated complexes (Y.J. Wu, X.L. Cui, Y.H. Liu, H.Z. Yuan and X.A. Mao), 63
Ferrocenyl groups
The unexpected synthesis of a tricobalt cluster with ferrocenyl groups: crystal structure and cyclic voltammetry of $Co_3(CO)_7(\mu_3\text{-}PFc)(\mu_2\text{-}PFc_2)$ (Fc = $(C_5H_5)Fe(C_5H_4)$) (S. Onaka, H. Muto, Y. Katsukawa and S. Takagi), 241

Group VI metals
Oxidative cleavage of metal carbene complexes by iodine (S.-T. Liu, R.-Z. Ku, C.-Y. Liu and F.-M. Kiang), 249

η^3-allyl
The preparation and reactions of $(\eta^3\text{-allyl})_2Ru[Pr^i_2P(CH_2)_nPPr^i_2]$ complexes (S. Holle, P.W. Jolly and J. Kuhnigk), 255
Heterobimetallic
Synthesis and properties of the alkynyl-bridged heterobimetallics $[Mo(C{\equiv}CFc)(Ph_2PCH_2CH_2PPh_2)(\eta\text{-}C_7H_7)]^z$ (Fc = ferrocenyl, $z = 0$ or $+1$) (Z.I. Hussain, M.W. Whiteley and E.J.L. McInnes), 237
Heterodinuclear complexes
Kooperative Wirkung in π-Ligand-verbrückten Zweikernkomplexen XX. Eine neue Strategie zur Synthese von heterodinuklearen Komplexen mit einem verbrückenden Bis(cyclopentadienyl)-Liganden [2] (J. Heck und J. Körnich), 153
Heterometallic clusters
Synthesis of trinuclear mixed-metal clusters $Os_2Fe(CO)_{10}L_2$ (L = OH, I, CO). The crystal structures of $Os_2Fe(CO)_{10}(\mu\text{-}OH)_2$ and $Os_2Fe(CO)_{12} \cdot 0.41Os_3(CO)_{12}$ (V.A. Maksakov, V.P. Kirin, A.V. Virovets, N.V. Podberezskaya and P.P. Semyannikov), 57
Hexacoordinate
Isolation and X-ray structure determination of a new tellurane *Te*-oxide dimer [12-Te-6(C4O2)]$_2$ (λ^6-tellane) (S. Sato, T. Ueminami, E. Horn and N. Furukawa), 77
η^5-1-hexadienyl
The preparation and reactions of $(\eta^3\text{-allyl})_2Ru[Pr^i_2P(CH_2)_nPPr^i_2]$ complexes (S. Holle, P.W. Jolly and J. Kuhnigk), 255
Homodinuclear complexes
Kooperative Wirkung in π-Ligand-verbrückten Zweikernkomplexen XX. Eine neue Strategie zur Synthese von heterodinuklearen Komplexen mit einem verbrückenden Bis(cyclopentadienyl)-Liganden [2] (J. Heck und J. Körnich), 153
Hydride
Amine-oxide-mediated reactions of $Re_2(CO)_{10}$ with phenol and aliphatic alcohols: The formation of $Re_3(CO)_{14}(\mu\text{-}H)$ and a hydroxo-methoxo trirhenium aggregate $[Me_3NH]^+[Re_3(CO)_9(\mu\text{-}OH)_2(\mu\text{-}OMe)(\mu_3\text{-}OMe)]^-$ (C. Jiang, Y.-S. Wen, L.-K. Liu, T.S.A. Hor and Y.K. Yan), 179
Hydrocarbon bridges
Kohlenwasserstoffverbrückte Metallkomplexe, XXXVI. Nucleophile Addition von Carbonylmetallaten an koordinierte Ethen-, Benzol-, Cyclooctadienyl- und Cyclooctatrienyl-Liganden von kationischen Ruthenium-Komplexen (S. Hüffer, K. Polborn and W. Beck), 47
Hydroesterification
Asymmetric hydroesterification of styrene by $PdCl_2$–$CuCl_2$-chiral phosphine catalyst systems (H. Zhou, J. Hou, J. Cheng, S. Lu, H. Fu and H. Wang), 227

Imidazolidin-2-ylidinium iodides
Oxidative cleavage of metal carbene complexes by iodine (S.-T. Liu, R.-Z. Ku, C.-Y. Liu and F.-M. Kiang), 249
Iodine
Oxidative cleavage of metal carbene complexes by iodine (S.-T. Liu, R.-Z. Ku, C.-Y. Liu and F.-M. Kiang), 249
Iron
Kohlenwasserstoffverbrückte Metallkomplexe, XXXVI. Nucleophile Addition von Carbonylmetallaten an koordinierte Ethen-, Benzol-, Cyclooctadienyl- und Cyclooctatrienyl-Liganden von kationischen Ruthenium-Komplexen (S. Hüffer, K. Polborn and W. Beck), 47
Synthesis and spectroscopic characterization of $(CO)_6Fe_2\{\mu\text{-}EC(H){=}C(2\text{-}Th)E'\}$ (E,E' = S, Se, Te; Th = C_4H_3S). Structural characterization of $(CO)_6Fe_2\{\mu\text{-}SeC(H){=}C(2\text{-}Th)Se\}$ (P. Mathur, A.K. Dash, Md.M. Hossain, C.V.V. Satyanarayana, A.L. Rheingold, G.P.A. Yap and L.M. Liable-Sands), 135
Synthesis of trinuclear mixed-metal clusters $Os_2Fe(CO)_{10}L_2$ (L = OH, I, CO). The crystal structures of $Os_2Fe(CO)_{10}(\mu\text{-}OH)_2$ and

$Os_2Fe(CO)_{12} \cdot 0.41Os_3(CO)_{12}$ (V.A. Maksakov, V.P. Kirin, A.V. Virovets, N.V. Podberezskaya and P.P. Semyannikov), 57
Thermolysis of $Fe_3(CO)_9(\mu_3\text{-Se})(\mu_3\text{-E})$ (E = S, Te) with $Cp_2Mo_2(CO)_6$ and formation of new mixed-chalcogenide, mixed Fe–Mo carbonyl clusters. Crystal structures of $Cp_2Mo_2Fe_2(CO)_6(\mu_3\text{-Se})_2(\mu_4\text{-Te})$, $Cp_2Mo_2Fe_2(CO)_7(\mu_3\text{-Se})(\mu_3\text{-Te})$ and $Cp_2Mo_2Fe_2(CO)_6(\mu_3\text{-S})(\mu_3\text{-Se})(\mu_4\text{-Se})$ (P. Mathur, S. Ghose, Md.M. Hossain, C.V.V. Satyanarayana and M.F. Mahon), 189

Mechanisms
Comparison of the reactivities of $(Me_3Si)_3CSiMe_2I$ and $(Pr^iMe_2Si)_3CSiMe_2I$ (A.I. Almansour), 83
Mercury
Cyclometallation of ferrocenylimines. III. Regioselectivity in Hg(II) cyclometallated complexes (Y.J. Wu, X.L. Cui, Y.H. Liu, H.Z. Yuan and X.A. Mao), 63
Metal carbene complexes
Oxidative cleavage of metal carbene complexes by iodine (S.-T. Liu, R.-Z. Ku, C.-Y. Liu and F.-M. Kiang), 249
Methyl propiolate
Methyl propiolate coupling at the $Fe(CO)_2(PEt_3)_2$ fragment (M. Jänicke, C. Gauss, A. Koller and H. Berke), 171
Molybdenum
Synthesis and properties of the alkynyl-bridged heterobimetallics $[Mo(C{\equiv}CFc)(Ph_2PCH_2CH_2PPh_2)(\eta\text{-}C_7H_7)]^z$ (Fc = ferrocenyl, $z = 0$ or $+1$) (Z.I. Hussain, M.W. Whiteley and E.J.L. McInnes), 237
Thermolysis of $Fe_3(CO)_9(\mu_3\text{-Se})(\mu_3\text{-E})$ (E = S, Te) with $Cp_2Mo_2(CO)_6$ and formation of new mixed-chalcogenide, mixed Fe–Mo carbonyl clusters. Crystal structures of $Cp_2Mo_2Fe_2(CO)_6(\mu_3\text{-Se})_2(\mu_4\text{-Te})$, $Cp_2Mo_2Fe_2(CO)_7(\mu_3\text{-Se})(\mu_3\text{-Te})$ and $Cp_2Mo_2Fe_2(CO)_6(\mu_3\text{-S})(\mu_3\text{-Se})(\mu_4\text{-Se})$ (P. Mathur, S. Ghose, Md.M. Hossain, C.V.V. Satyanarayana and M.F. Mahon), 189

Osmium
Kohlenwasserstoffverbrückte Metallkomplexe, XXXVI. Nucleophile Addition von Carbonylmetallaten an koordinierte Ethen-, Benzol-, Cyclooctadienyl- und Cyclooctatrienyl-Liganden von kationischen Ruthenium-Komplexen (S. Hüffer, K. Polborn and W. Beck), 47
Synthesis of trinuclear mixed-metal clusters $Os_2Fe(CO)_{10}L_2$ (L = OH, I, CO). The crystal structures of $Os_2Fe(CO)_{10}(\mu\text{-OH})_2$ and $Os_2Fe(CO)_{12} \cdot 0.41Os_3(CO)_{12}$ (V.A. Maksakov, V.P. Kirin, A.V. Virovets, N.V. Podberezskaya and P.P. Semyannikov), 57
Osmium nitrosyl complexes
Osmium nitrosyl complexes with osmium–tin bonds. Crystal structure of $Os[Sn(p\text{-tolyl})_3](NO)(CO)_2(PPh_3)$ (A.M. Clark, C.E.F. Rickard, W.R. Roper and L.J. Wright), 111
Osmium-tin bonds
Osmium nitrosyl complexes with osmium–tin bonds. Crystal structure of $Os[Sn(p\text{-tolyl})_3](NO)(CO)_2(PPh_3)$ (A.M. Clark, C.E.F. Rickard, W.R. Roper and L.J. Wright), 111
Oxidative cleavage
Oxidative cleavage of metal carbene complexes by iodine (S.-T. Liu, R.-Z. Ku, C.-Y. Liu and F.-M. Kiang), 249

Palladium
Stereoselective synthesis of conjugated alkadienes via the palladium-catalyzed coupling reaction of (*Z*)- or (*E*)-alkenylboranes with (*Z*)- or (*E*)-2-halo-1-(alkylseleno)ethenes (D.Y. Yang and X. Huang), 165
$PdCl_2$–$CuCl_2$-chiral phosphine catalyst systems
Asymmetric hydroesterification of styrene by $PdCl_2$–$CuCl_2$-chiral phosphine catalyst systems (H. Zhou, J. Hou, J. Cheng, S. Lu, H. Fu and H. Wang), 227
Pertellurane
Isolation and X-ray structure determination of a new tellurane *Te*-oxide dimer [12-Te-6(C4O2)]$_2$ (λ^6-tellane) (S. Sato, T. Ueminami, E. Horn and N. Furukawa), 77
Polymer
On the reaction of $[Ph_2(OH)Si]_2O$ with t-Bu_2SnCl_2: synthesis and characterization of the first well defined polystannasiloxane $[(t\text{-}Bu_2SnO)(Ph_2SiO)_2]_n$ (J. Beckmann, K. Jurkschat, D. Schollmeyer and M. Schürmann), 229
Protolysis
Amine-oxide-mediated reactions of $Re_2(CO)_{10}$ with phenol and aliphatic alcohols: The formation of $Re_3(CO)_{14}(\mu\text{-H})$ and a hydroxo-methoxo trirhenium aggregate $[Me_3NH]^+[Re_3(CO)_9(\mu\text{-OH})_2(\mu\text{-OMe})(\mu_3\text{-OMe})]^-$ (C. Jiang, Y.-S. Wen, L.-K. Liu, T.S.A. Hor and Y.K. Yan), 179
Pyrylium salts
Synthesis, structure and reactivity of acetylenic $Co_2(CO)_6$ pyrylium salts. Electronic influence of the $Co_2(CO)_6$ acetylenic fragment (B. Caro, F. Robin-Le Guen, M.-C. Sénéchal-Tocquer, V. Prat and J. Vaissermann), 87

Rhenium
Kohlenwasserstoffverbrückte Metallkomplexe, XXXVI. Nucleophile Addition von Carbonylmetallaten an koordinierte Ethen-, Benzol-, Cyclooctadienyl- und Cyclooctatrienyl-Liganden von kationischen Ruthenium-Komplexen (S. Hüffer, K. Polborn and W. Beck), 47
Ruthenium
Kohlenwasserstoffverbrückte Metallkomplexe, XXXVI. Nucleophile Addition von Carbonylmetallaten an koordinierte Ethen-, Benzol-, Cyclooctadienyl- und Cyclooctatrienyl-Liganden von kationischen Ruthenium-Komplexen (S. Hüffer, K. Polborn and W. Beck), 47
The preparation and reactions of $(\eta^3\text{-allyl})_2Ru[Pr^i_2P(CH_2)_nPPr^i_2]$ complexes (S. Holle, P.W. Jolly and J. Kuhnigk), 255

Selenium
Synthesis and spectroscopic characterization of $(CO)_6Fe_2\{\mu\text{-}EC(H){=}C(2\text{-}Th)E'\}$ (E,E' = S, Se, Te; Th = C_4H_3S). Structural characterization of $(CO)_6Fe_2\{\mu\text{-}SeC(H){=}C(2\text{-}Th)Se\}$ (P. Mathur, A.K. Dash, Md.M. Hossain, C.V.V. Satyanarayana, A.L. Rheingold, G.P.A. Yap and L.M. Liable-Sands), 135
Thermolysis of $Fe_3(CO)_9(\mu_3\text{-Se})(\mu_3\text{-E})$ (E = S, Te) with $Cp_2Mo_2(CO)_6$ and formation of new mixed-chalcogenide, mixed Fe–Mo carbonyl clusters. Crystal structures of $Cp_2Mo_2Fe_2(CO)_6(\mu_3\text{-Se})_2(\mu_4\text{-Te})$, $Cp_2Mo_2Fe_2(CO)_7(\mu_3\text{-Se})(\mu_3\text{-Te})$ and $Cp_2Mo_2Fe_2(CO)_6(\mu_3\text{-S})(\mu_3\text{-Se})(\mu_4\text{-Se})$ (P. Mathur, S. Ghose, Md.M. Hossain, C.V.V. Satyanarayana and M.F. Mahon), 189
Silicon
Comparison of the reactivities of $(Me_3Si)_3CSiMe_2I$ and $(Pr^iMe_2Si)_3CSiMe_2I$ (A.I. Almansour), 83
On the reaction of $[Ph_2(OH)Si]_2O$ with t-Bu_2SnCl_2: synthesis and characterization of the first well defined polystannasiloxane $[(t\text{-}Bu_2SnO)(Ph_2SiO)_2]_n$ (J. Beckmann, K. Jurkschat, D. Schollmeyer and M. Schürmann), 229
Single crystal X-ray diffraction study
Methyl propiolate coupling at the $Fe(CO)_2(PEt_3)_2$ fragment (M. Jänicke, C. Gauss, A. Koller and H. Berke), 171
Steric hindrance
Comparison of the reactivities of $(Me_3Si)_3CSiMe_2I$ and $(Pr^iMe_2Si)_3CSiMe_2I$ (A.I. Almansour), 83
Styrene
Asymmetric hydroesterification of styrene by $PdCl_2$–$CuCl_2$-chiral phosphine catalyst systems (H. Zhou, J. Hou, J. Cheng, S. Lu, H. Fu and H. Wang), 227
Sulphur
Synthesis and spectroscopic characterization of $(CO)_6Fe_2\{\mu\text{-}EC(H){=}C(2\text{-}Th)E'\}$ (E,E' = S, Se, Te; Th = C_4H_3S). Structural

characterization of $(CO)_6Fe_2\{\mu$-SeC(H)=C(2-Th)Se$\}$ (P. Mathur, A.K. Dash, Md.M. Hossain, C.V.V. Satyanarayana, A.L. Rheingold, G.P.A. Yap and L.M. Liable-Sands), 135

Thermolysis of $Fe_3(CO)_9(\mu_3$-Se$)(\mu_3$-E) (E = S, Te) with $Cp_2Mo_2(CO)_6$ and formation of new mixed-chalcogenide, mixed Fe–Mo carbonyl clusters. Crystal structures of $Cp_2Mo_2Fe_2(CO)_6(\mu_3$-Se$)_2(\mu_4$-Te), $Cp_2Mo_2Fe_2(CO)_7(\mu_3$-Se$)(\mu_3$-Te) and $Cp_2Mo_2Fe_2(CO)_6(\mu_3$-S$)(\mu_3$-Se$)(\mu_4$-Se) (P. Mathur, S. Ghose, Md.M. Hossain, C.V.V. Satyanarayana and M.F. Mahon), 189

Synthesis

On the reaction of $[Ph_2(OH)Si]_2O$ with t-Bu_2SnCl_2: synthesis and characterization of the first well defined polystannasiloxane $[(t\text{-}Bu_2SnO)(Ph_2SiO)_2]_n$ (J. Beckmann, K. Jurkschat, D. Schollmeyer and M. Schürmann), 229

Synthesis of trinuclear mixed-metal clusters $Os_2Fe(CO)_{10}L_2$ (L = OH, I, CO). The crystal structures of $Os_2Fe(CO)_{10}(\mu$-OH$)_2$ and $Os_2Fe(CO)_{12} \cdot 0.41Os_3(CO)_{12}$ (V.A. Maksakov, V.P. Kirin, A.V. Virovets, N.V. Podberezskaya and P.P. Semyannikov), 57

Tellurium

Synthesis and spectroscopic characterization of $(CO)_6Fe_2\{\mu$-EC(H)=C(2-Th)E′$)$ (E,E′ = S, Se, Te; Th = C_4H_3S). Structural characterization of $(CO)_6Fe_2\{\mu$-SeC(H)=C(2-Th)Se$\}$ (P. Mathur, A.K. Dash, Md.M. Hossain, C.V.V. Satyanarayana, A.L. Rheingold, G.P.A. Yap and L.M. Liable-Sands), 135

Thermolysis of $Fe_3(CO)_9(\mu_3$-Se$)(\mu_3$-E) (E = S, Te) with $Cp_2Mo_2(CO)_6$ and formation of new mixed-chalcogenide, mixed Fe–Mo carbonyl clusters. Crystal structures of $Cp_2Mo_2Fe_2(CO)_6(\mu_3$-Se$)_2(\mu_4$-Te), $Cp_2Mo_2Fe_2(CO)_7(\mu_3$-Se$)(\mu_3$-Te) and $Cp_2Mo_2Fe_2(CO)_6(\mu_3$-S$)(\mu_3$-Se$)(\mu_4$-Se) (P. Mathur, S. Ghose, Md.M. Hossain, C.V.V. Satyanarayana and M.F. Mahon), 189

Tellurium-oxide dimer

Isolation and X-ray structure determination of a new tellurane *Te*-oxide dimer $[12\text{-Te-}6(C4O2)]_2$ (λ^6-tellane) (S. Sato, T. Ueminami, E. Horn and N. Furukawa), 77

Thermal elimination

Osmium nitrosyl complexes with osmium–tin bonds. Crystal structure of $Os[Sn(p\text{-tolyl})_3](NO)(CO)_2(PPh_3)$ (A.M. Clark, C.E.F. Rickard, W.R. Roper and L.J. Wright), 111

Thiopheneacetylene

Synthesis and spectroscopic characterization of $(CO)_6Fe_2\{\mu$-EC(H)=C(2-Th)E′$)$ (E,E′ = S, Se, Te; Th = C_4H_3S). Structural characterization of $(CO)_6Fe_2\{\mu$-SeC(H)=C(2-Th)Se$\}$ (P. Mathur, A.K. Dash, Md.M. Hossain, C.V.V. Satyanarayana, A.L. Rheingold, G.P.A. Yap and L.M. Liable-Sands), 135

Tin

On the reaction of $[Ph_2(OH)Si]_2O$ with t-Bu_2SnCl_2: synthesis and characterization of the first well defined polystannasiloxane $[(t\text{-}Bu_2SnO)(Ph_2SiO)_2]_n$ (J. Beckmann, K. Jurkschat, D. Schollmeyer and M. Schürmann), 229

Trimethylamine *N*-oxide

Amine-oxide-mediated reactions of $Re_2(CO)_{10}$ with phenol and aliphatic alcohols: The formation of $Re_3(CO)_{14}(\mu$-H) and a hydroxo-methoxo trirhenium aggregate $[Me_3NH]^+[Re_3(CO)_9(\mu\text{-}OH)_2(\mu\text{-}OMe)(\mu_3\text{-}OMe)]^-$ (C. Jiang, Y.-S. Wen, L.-K. Liu, T.S.A. Hor and Y.K. Yan), 179

Tungsten

Kohlenwasserstoffverbrückte Metallkomplexe, XXXV. Addition von *tert*. Butylethinyl–pentacarbonyl–wolframat an π-koordinierte Kohlenwasserstoffe von kationischen Komplexen (J. Milke, K. Sünkel and W. Beck), 39

Vinyliden bridged complexes

Kohlenwasserstoffverbrückte Metallkomplexe, XXXV. Addition von *tert*. Butylethinyl–pentacarbonyl–wolframat an π-koordinierte Kohlenwasserstoffe von kationischen Komplexen (J. Milke, K. Sünkel and W. Beck), 39

X-ray

Synthesis and spectroscopic characterization of $(CO)_6Fe_2\{\mu$-EC(H)=C(2-Th)E′$)$ (E,E′ = S, Se, Te; Th = C_4H_3S). Structural characterization of $(CO)_6Fe_2\{\mu$-SeC(H)=C(2-Th)Se$\}$ (P. Mathur, A.K. Dash, Md.M. Hossain, C.V.V. Satyanarayana, A.L. Rheingold, G.P.A. Yap and L.M. Liable-Sands), 135

X-ray diffraction

On the reaction of $[Ph_2(OH)Si]_2O$ with t-Bu_2SnCl_2: synthesis and characterization of the first well defined polystannasiloxane $[(t\text{-}Bu_2SnO)(Ph_2SiO)_2]_n$ (J. Beckmann, K. Jurkschat, D. Schollmeyer and M. Schürmann), 229

X-ray structure

Synthesis of trinuclear mixed-metal clusters $Os_2Fe(CO)_{10}L_2$ (L = OH, I, CO). The crystal structures of $Os_2Fe(CO)_{10}(\mu$-OH$)_2$ and $Os_2Fe(CO)_{12} \cdot 0.41Os_3(CO)_{12}$ (V.A. Maksakov, V.P. Kirin, A.V. Virovets, N.V. Podberezskaya and P.P. Semyannikov), 57

X-ray structure analysis

Kooperative Wirkung in π-Ligand-verbrückten Zweikernkomplexen XX. Eine neue Strategie zur Synthese von heterodinuklearen Komplexen mit einem verbrückenden Bis(cyclopentadienyl)-Liganden [2] (J. Heck und J. Körnich), 153

Zirconium

Dinuclear cationic zirconium complexes with the fulvalene ligand. Synthesis and reactivity (T. Cuenca, M. Galakhov, G. Jiménez, E. Royo, P. Royo and M. Bochmann), 209